



The
Patent
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Application No: GB 9511232.2
Claims searched: 1-10

Examiner: Melanie Jennings
Date of search: 24 September 1996

Patents Act 1977
Search Report under Section 17

Databases searched:

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:

UK Cl (Ed.O): H4J(JCA, JCB, JDF, JDJ, JEB)

Int Cl (Ed.6): HO4R 9/00, 9/02, 9/04, 9/06, 9/08, 11/00, 11/02, 11/04

Other: Online: WPI, JAPIO, CLAIMS

Documents considered to be relevant:

Category	Identity of document and relevant passage	Relevant to claims
X	GB 2251355 A (ELECTRO ACOUSTIC)	1, 4
X	EP 0137550 A1 (PHILIPS)	1, 4
X	US 4897877 A (TETZLAFF)	1, 4
X	US 4612420 A (NIEUWENDIJK <i>et al</i>)	1, 4

X	Document indicating lack of novelty or inventive step	A	Document indicating technological background and/or state of the art.
Y	Document indicating lack of inventive step if combined with one or more other documents of same category.	P	Document published on or after the declared priority date but before the filing date of this invention.
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INTERNATIONAL SEARCH REPORT

In International Application No
PCT/IB 01/01084

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04R25/00 H04R11/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 617 653 A (TIBBETTS GEORGE C ET AL) 2 November 1971 (1971-11-02)	1-5, 9-15, 18-33
A	column 1, line 8-12 column 2, line 3-9 column 2, line 34-38 column 3, line 69 -column 5, line 9 column 5, line 43 -column 6, line 26	6-8, 16, 17
Y	GB 2 301 728 A (KNOWLES ELECTRONICS CO) 11 December 1996 (1996-12-11)	1-5, 9-15, 18-33
A	page 1, line 2-4 page 1, line 20-24 page 3, line 12 -page 4, line 5	6-8, 16, 17
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

18 September 2002

Date of mailing of the international search report

25/09/2002

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB 01/01084

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